

Electrolysis of Water

student #: _____

Pre Lab

1. Describe what you think the purpose of the lab is and create a testable hypothesis.
2. Using the Internet to help you, explain what might happen at a cathode and an anode.
3. Why do you think a 9V battery is required for this experiment?
4. Explain why pure water is a poor conductor of electricity.
5. There is a famous saying that you can search for that says, "LEO the Lion goes GER". What do you think this statement means?

6. Explain (in detail) how you might prepare a 500 mL solution of 1M sodium sulfate.

7. Why do you think there will be a soft pop sound when we test for hydrogen gas?

8. Why do you think the match will light again when we add it to the oxygen gas?